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PPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/768,094	02/02/2004		Mark S. Akselrod	LAND-0006-1	5754
22506	7590	01/19/2006		EXAMINER	
JAGTIANI			VU, MINDY D		
10363-A DEMOCRACY LANE FAIRFAX, VA 22030				ART UNIT	PAPER NUMBER
				2884	<u>-</u>

DATE MAILED: 01/19/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/768,094	AKSELROD ET AL.				
Office Action Summary	Examiner	Art Unit				
	Mindy Vu	2884				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period way reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. lely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. ace except for formal matters, pro					
Disposition of Claims						
4) ☐ Claim(s) <u>1-28</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) <u>1,9-13,17,19,21-23,27 and 28</u> is/are re 7) ☐ Claim(s) <u>2-8,14-16,18,20 and 24-26</u> is/are object to restriction and/or	ejected. cted to.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on <u>02 February 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correcting 11) The oath or declaration is objected to by the Ex	•	•				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive ı (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 6/7/04.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

DETAILED ACTION

This Office Action is in response to the Applicant's application filed February 2, 2004.

Information Disclosure Statement

Applicant cited U.S. Patent 6,278,679 twice. The one with the wrong inventor's name has a line drawn through it.

U.S. Patent 5,028,794 has a line drawn through it since it was withdrawn.

Specification

The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:

Claim 5 discloses " light source has a wavelength in the range between 300 to 370 nm."

Claim 7 discloses " light source has a wavelength in the range between <u>550 to 700 nm</u>."

Claim 9 discloses " at least one oxygen vacancy defect comprises at least one color center having absorption bands in the region of $335.\pm5$ nm and 620 ± 10 nm, an emission in the region of 750 ± 5 nm and a 75 ± 10 ns fluorescence lifetime.

Claim 10 discloses "fluorescent light has a wavelength in the range between 450 and 600 nm and centered at 520±10 nm."

Claim 11 discloses " light source has a wavelength in the range between 370 to 490 nm."

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Claim 13 discloses " at least one oxygen vacancy defect comprises at least one color center having an absorption in the region of 435 ± 5 nm, an emission in the region of 520 ± 5 nm."

Claim 18 discloses " light has a wavelength in the range between 290 and 380 nm."

Claim 20 discloses " light has a wavelength in the range between <u>550 and 700</u> nm."

Claim 27 discloses " a fluorescence lifetime of 75±10 ns."

The examiner is unable to find anywhere in the Specification these specific ranges or conditions that underlined above.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., In re Berg, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); In re Goodman, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); In re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); In re Van Ornum, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); In re Vogel, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and In re Thorington, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1, 9-13, 17, 19, 21-23, 27 and 28 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1, 3, 5-8, 22-26, 31 and 32 of copending Application No. 10/633,654. Although the conflicting claims are not identical, they are not patentably distinct from each other because the methods of the present application are anticipated or made obvious by the steps since data storage and erasure is an applied and erased dose and the same luminescent material is recited in the above identified copending application.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claims 2-8, 14-16, 18, 20 and 24-26 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Miller et al. (5,136,163) discloses a method for detecting radiation dose by: exposing a crystalline material Al2O3 and incorporating carbon in the material to ionizing radiation; exposing the material to UV light and detecting fluorescent light emitted by excited luminescent material.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mindy Vu whose telephone number is 571-272-8539. The examiner can normally be reached on M-F 9am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Porta can be reached on 571-272-2444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800